

ATTACHMENT D

POSITION QUALIFICATIONS

1. **SENIOR ENVIRONMENTAL GRAPHIC DESIGNER I**

The duties of this position require that they hold a minimum of a degree in graphic design from an accredited college or university. The Senior Environmental Graphic Designer I shall have a minimum of 15 years of professional experience.

The person in this position must have the ability to oversee the planning activities of the project team relating to specific assignments as assigned, including program planning, design and managing of supporting design disciplines related to a specific UniGuide program assignment. The Senior Environmental Graphic Designer I is responsible for analysis of program requirements based on surveys, field analysis, client requirements and related research and define the direction of the program design based on the UniGuide Sign Standards to create a seamless information program, and managing that plan through final production documents. In addition to overseeing projects the Senior Environmental Graphic Designer I may participate in sign survey and inventory, interview and research, requirements analysis to identify solutions for a parks' specific UniGuide communications requirements, and preparation/assembly of comprehensive design and production documents. This person must also have an ability to communicate well verbally and in writing, an ability to set schedules and manage the progress of projects.

2. **SENIOR ENVIRONMENTAL GRAPHIC DESIGNER II**

The duties of this position require that they hold a minimum of a degree in graphic design from an accredited college or university. The Senior Environmental Graphic Designer II shall have a minimum of 10 years of professional experience.

The person in this position must have the ability to oversee the planning activities of the project team relating to specific assignments as assigned, including program planning, design and managing of supporting design disciplines related to a specific UniGuide program assignment. The Senior Environmental Graphic Designer II is responsible for analysis of program requirements based on surveys, field analysis, client requirements and related research and define the direction of the program design based on the UniGuide Sign Standards to create a seamless information program, and managing that plan through final production documents. In addition to overseeing projects the Senior Environmental Graphic Designer II may participate in sign survey and inventory, interview and research, requirements analysis to identify solutions for a parks' specific UniGuide communications requirements, and preparation/assembly of comprehensive design and production documents. This person must also have an ability to communicate well verbally and in writing, an ability to set schedules and manage the progress of projects.

3. **SENIOR ENVIRONMENTAL GRAPHIC DESIGNER III**

The duties of this position require that they hold a minimum of a degree in graphic design from an accredited college or university. The Senior Environmental Graphic Designer III shall have a minimum of seven to nine years of professional experience.

The person in this position must have the ability to oversee the planning activities of the project team relating to specific assignments as assigned, including program planning, design and managing of supporting design disciplines related to a specific UniGuide program assignment. The Senior Environmental Graphic Designer III may be responsible for analysis of program requirements based on surveys, field analysis, client requirements and related research and define the direction of the program design based on the UniGuide Sign Standards to create a seamless information program, and managing that plan through final production documents. In addition to overseeing projects the Senior Environmental Graphic Designer III may participate in sign survey and inventory, interview and research, requirements analysis to identify solutions for a parks' specific UniGuide communications requirements, and preparation/assembly of comprehensive design and production documents. This person must also have an ability to communicate well verbally and in writing, an ability to set schedules and manage the progress of projects.

4. **ENVIRONMENTAL GRAPHIC DESIGNER I**

The duties of this position require that they hold degree in design from an accredited college or university and training under the supervision of an environmental graphic designer. Positions require that the Environmental Graphic Designer I, have a minimum of five to seven years professional experience.

The duties of this position involve the design of identification, wayfinding and visitor information programs consistent with the UniGuide Sign Standards and NPS identity standards, or other solutions as required. This includes coordinating the work of illustrators, cartographers, writers, and related disciplines, and the assembly of comprehensive design plans as proposed by the project manager and client. The duties may also involve the design of printed materials or other media necessary to the planning and design of NPS signs or to the promulgation of the UniGuide Sign Standards. In addition the Environmental Graphic Designer I position may involve: sign survey and inventory, interview and research, and requirements analysis to identify solutions for a parks' specific UniGuide communications requirements. A person qualified for this position must be fully proficient in all appropriate graphics software programs, and capability to prepare design plans for production.

5. **ENVIRONMENTAL GRAPHIC DESIGNER II**

The duties of this position require that they hold degree in design from an accredited college or university and training under the supervision of an environmental graphic designer. Positions require that the Environmental Graphic Designer II, have a minimum of three to five years professional experience.

The duties of this position involve the design of identification, wayfinding and visitor information programs consistent with the UniGuide Sign Standards and NPS identity standards, or other solutions as required. This includes coordinating the work of illustrators, cartographers, writers, and related disciplines, and the assembly of comprehensive design plans as proposed by the project manager and client. The duties may also involve the design of printed materials or other media necessary to the planning and design of NPS signs or to the promulgation of the UniGuide Sign Standards. In addition the Environmental Graphic Designer II position may involve: sign survey and inventory, interview and research, and requirements analysis to identify solutions for a parks' specific UniGuide communications requirements. A person qualified for this position must be fully proficient in all appropriate graphics software programs, and capability to prepare design plans for production.

6. **ENVIRONMENTAL GRAPHIC DESIGNER III**

The duties of this position require that they hold degree in design from an accredited college or university and training under the supervision of an environmental graphic designer. Positions require that the Environmental Graphic Designer III, have a minimum of three to five years professional experience.

The duties of this position involve the design of identification, wayfinding and visitor information programs consistent with the UniGuide Sign Standards and NPS identity standards, or other solutions as required. This includes coordinating the work of illustrators, cartographers, writers, and related disciplines, and the assembly of comprehensive design plans as proposed by the project manager and client. The duties may also involve the design of printed materials or other media necessary to the planning and design of NPS signs or to the promulgation of the UniGuide Sign Standards. In addition the Environmental Graphic Designer III position may involve: sign survey and inventory, and interview and research. A person qualified for this position must be fully proficient in all appropriate graphics software programs, and capability to prepare design plans for production.

7. **ENVIRONMENTAL GRAPHIC DESIGNER IV**

The duties of this position require that they hold degree in design from an accredited college or university and training under the supervision of an environmental graphic designer. Positions require that the Environmental Graphic Designer III, have a minimum of 18 months to three years professional experience. This is an entry level position for selected designers who are selected by their respective firms to work under a senior designer.

The duties of this position involve the design of identification, wayfinding and visitor information programs consistent with the UniGuide Sign Standards and NPS identity standards, or other solutions as required. This includes working with senior designers and related disciplines including: illustrators, cartographers, and writers to assemble design plans. The duties may also involve sign surveys and inventory, the design of printed materials or other media necessary to the planning and design of NPS signs or to the promulgation of the UniGuide Sign Standards. A person qualified for this position must be fully proficient in all appropriate graphics software programs, and capability to prepare design plans for production.

8. **SENIOR SIGN PLANNER I**

The duties of this position require that they hold a minimum of a degree in design or related field from an accredited college or university. Positions require that the Senior Sign Planner I have a minimum of 15 years professional experience.

The Senior Sign Planner I will oversee the planning activities of the project. The duties of this position involve: survey and inventory, interview and research, requirements analysis to identify solutions for a parks' specific UniGuide communications requirements. This position may also involve the design of identification, wayfinding and visitor information programs consistent with the UniGuide Sign Standards and NPS identity standards, or other solutions as required. This person must have an ability to develop specific communication goals and to assemble narrative and illustrative sign content. This includes assisting the work of designers, cartographers, writers, and illustrators and related disciplines in the process of planning and designing UniGuide programs for parks and the assembly of comprehensive design plans as proposed by the project manager and client. The planner may have a thorough knowledge of the regulations included in the Federal Highway MUTCD that relate to sign text messages based on project requirements. A person qualified for this position must be fully proficient in all appropriate graphics and database software programs as required for the specific assignment. As a senior planner, the person must also have an ability to communicate well verbally and in writing, an ability to set schedules and manage the progress of projects with others.

9. **SENIOR SIGN PLANNER II**

The duties of this position require that they hold a minimum of a degree in design or related field from an accredited college or university. Positions require that the Senior Sign Planner I have a minimum of five to 15 years professional experience.

The Senior Sign Planner II will be part of planning activities of the project with specific responsibilities for survey and inventory, interview and research, requirements analysis to identify solutions for a parks' specific UniGuide communications requirements. This position may also involve the design of identification, wayfinding and visitor information programs consistent with the UniGuide Sign Standards and NPS identity standards, or other solutions as required. This person must have an ability to develop specific communication goals and to assemble narrative and illustrative sign content by directing the work of designers, cartographers, writers, and illustrators and related disciplines in the process of planning and designing UniGuide programs for parks, and the assembly of comprehensive design plans as proposed by the project manager and client.

A person qualified for this position must be fully proficient in all appropriate graphics and database software programs as required for the specific assignment. As a senior planner, the person must also have an ability to communicate well verbally and in writing, an ability to set schedules and manage the progress of projects with others.

10. **SIGN PLANNER**

The duties of this position require that they hold an degree in graphic design from an accredited college or university. Positions require that the Sign Planner have the following minimum professional experience of two to five years.

The duties of this position involve the development of park sign inventories, sign plans, and content layouts for specific signs. A person qualified for this position must have an ability to work as part of a design team, and to analyze a park's communication needs and to develop signs that address them effectively. To do this, they must possess an ability to observe, to communicate verbally and in writing, and to manage and document large amounts of information. They must gain a clear understanding of the mission of the National Park Service, the management needs of specific parks, and the nature and habits of park visitors. A person qualified for this position must be fully proficient in all appropriate graphics and database software programs as required for the specific assignment.

11. **SENIOR LANDSCAPE ARCHITECT**

The duties of this position requires that they be a Registered Landscape Architect and hold a degree in landscape architecture from an accredited university. Positions require that Senior Landscape Architect have a minimum of 20 years professional experience.

The duties of this position involve assisting in the development of park sign plans, the design and placement of specific signs, and the design of key land features to improve wayfinding and the visitor experience including "hardscape" amenities surrounding various signs, especially major park or facility identification signs. A person qualified for this position must have a complete understanding of the principals of landscape design and related technologies, materials, and procedures, especially as they apply to national park environments. They must gain knowledge of the history of park landscapes and built environments, the nature and habits of park visitors, and the UniGuide Sign Standards. Specific capabilities include: Understanding of historic landscapes and requirements for restoration, design of entry portals and custom applications of UniGuide identification signs, relocation and adjustment of trails or roads to aid way finding and circulation, design of barrier and edging to augment way finding and placement of information, design of transit stops with amenities to enhance use, and other conditions as required.

12. **LANDSCAPE ARCHITECT I**

The duties of this position requires that they be a Registered Landscape Architect and hold a degree in landscape architecture from an accredited university. This positions requires that the Landscape Architect I have a minimum of 10 to 15 years professional experience.

The duties of this position involve assisting in the development of park sign plans, the design and placement of specific signs, and the design of land features and circulation to facilitate improved wayfinding and visitor experience. A person qualified for this position must have a complete understanding of the principals of landscape design and related technologies, materials, and procedures, especially as they apply to national park environments. They must gain knowledge of the history of park landscapes and built environments, the nature and habits of park visitors, and the UniGuide Sign Standards. Specific capabilities include: understanding of historic landscapes and requirements for restoration, design of entry portals and custom applications of UniGuide identification signs, relocation and adjustment of trails or roads to aid way finding and circulation, design of barrier and edging to augment way finding and placement of information, design of transit stops with amenities to enhance use, and other conditions as required.

13. **LANDSCAPE ARCHITECT II**

The duties of this position requires that they be a Registered Landscape Architect and hold a degree in landscape architecture from an accredited university. This positions requires that the Landscape Architect II have a minimum of five to 10 years professional experience.

The duties of this position involve assisting in the development of park sign inventories and plans, the design and placement of specific signs, and the design of plantings and "hardscape" amenities surrounding various signs, especially major park or facility identification signs. A person qualified for this position must have a complete understanding of the principals of landscape design and related technologies, materials, and procedures, especially as they apply to national park environments. They must gain knowledge of the history of park landscapes and built environments, the nature and habits of park visitors, and the UniGuide Sign Standards. Specific capabilities include: understanding of historic landscapes and requirements for restoration, design of entry portals and custom applications of UniGuide identification signs, relocation and adjustment of trails or roads to aid way finding and circulation, design of barrier and edging to augment way finding and placement of information, design of transit stops with amenities to enhance use, and other conditions as required.

14. **LANDSCAPE ARCHITECT III**

The duties of this position requires that they be a Registered Landscape Architect and hold a degree in landscape architecture from an accredited university. This positions requires that the Landscape Architect III have a minimum of three to five years professional experience.

The duties of this position involve assisting in the development of park sign inventories and plans, the design and placement of specific signs, and the design of plantings and "hardscape" amenities surrounding various signs, especially major park or facility identification signs. A person qualified for this position must have an understanding of the principals of landscape design and related technologies, materials, and procedures, especially as they apply to national park environments. They must gain knowledge of the history of park landscapes and built environments, the nature and habits of park visitors, and the UniGuide Sign Standards. Specific capabilities include: understanding of requirements for restoration, site documentation for applications of UniGuide identification signs, relocation and adjustment of trails or roads to aid way finding and circulation, design of barrier and edging to augment way finding and placement of information, design of transit stops with amenities to enhance use, and other conditions as required.

15. **WRITER/EDITOR/PLANNER I**

The duties of this position require that they have a degree from an accredited college or university. A Writer/Editor /Planner I must have a minimum 10 years of professional experience writing various types of visitor information about parks, nature preserves, historic sites, and recreational areas, and a minimum of five years experience writing for signage related visitor information programs. This position requires planning and writing for park information programs.

The duties of this position involve the research, interviewing, analysis, and writing, editing, and proofreading of a range of informational sign messages signs relating to visitor safety, resource protection, park facilities, recreational activities, and regulations. This position requires the application of substantial subject-matter knowledge including the ability to determine the type of presentation best suited to the audience being addresses.

Duties also include the writing, editing, and proofreading of park sign plans and newsletters and other communications that promote or explain the Servicewide Sign Management Program. A person qualified for this position must have a well-developed ability to write clearly and succinctly in a way to help park visitors readily understand the messages that are being conveyed. The person must have a clear understanding of the mission of the National Park Service, the UniGuide Standards, and knowledge of the agency's various programs and policies, and an appreciation of diversity of the communication needs of the people who visit the national parks.

16. **WRITER/EDITOR/PLANNER II**

The duties of this position require that they have a degree from an accredited college or university. A Writer/Editor /Planner II must have a minimum five years of professional experience writing various types of visitor information about parks, nature preserves, historic sites, and recreational areas. This position requires planning and writing for park information programs.

The duties of this position involve the research, interviewing, analysis, and writing, editing, and proofreading of a range of informational sign messages from simple pedestrian signs to more complex signs relating to visitor safety, resource protection, park facilities, recreational activities, and regulations.

A Writer/Editor /Planner II will also be expected to be proficient in the writing, editing, and proofreading of other communications that promote or explain the Servicewide Sign Management Program. A person qualified for this position must have a well-developed ability to write clearly and succinctly in a way to help park visitors readily understand the messages that are being conveyed. The person must have a clear understanding of the mission of the National Park Service, knowledge of the agency's various programs and policies, and an appreciation of diversity of the communication needs of the people who visit the national parks.

17. **CARTOGRAPHER I**

The duties of this position involve the design and preparation of maps, including digital terrain modeling that appear on signs to direct visitors around parks, principally as pedestrians. In addition to a strong cartographic record, a person qualified for this position must have an understanding of the NPS Cartographic Standards. The cartographer must have formal training in cartographic design and minimum of eight years of experience in the preparation of maps for public display and five years experience in digital terrain modeling.

Cartographic knowledge must include a thorough understanding of the principals of cartography, including map compilation, design, and production. The duties will require use of drafting software such as AutoCAD and 3-D rendering software such as 3D Studio Max, Bryce or Visual Nature Studio. Geographic Information System software (ArcGIS or Map) will be important for compilation and data management. Graphic software for final design and layout (primarily Adobe Illustrator, Adobe Photoshop and Adobe InDesign) will be used to create finished files that will be converted to sign panel artwork. The duties also include researching and assembling the resource materials needed to create such maps and a well-developed sense of quality of mapped data as related to needs of visitor signs containing the maps.

18. **CARTOGRAPHER II**

The duties of this position involve the design and preparation of maps, including shaded relief maps that appear on signs to direct visitors around parks, principally as pedestrians. In addition to a strong cartographic record, a person qualified for this position must gain an understanding of the NPS Cartographic Standards. The Cartographer must have formal training in cartographic design and at minimum of six years of experience in the preparation of maps for public display, a display and four years experience in the creation of shaded relief maps.

Cartographic knowledge must include a thorough understanding of the principals of cartography, including map compilation, design, and production. The duties will require use of drafting software such as AutoCAD and 3-D rendering software such as 3D Studio Max, Bryce or Visual Nature Studio. Geographic Information System software (ArcGIS or Map) will be important for compilation and data management. Graphic software for final design and layout (primarily Adobe Illustrator, Adobe Photoshop and Adobe InDesign) will be used to create finished files that will be converted to sign panel artwork. The duties also include researching and assembling the resource materials needed to create such maps and a well-developed sense of quality of mapped data as related to needs of visitor signs containing the maps.

19. **CARTOGRAPHER III**

The duties of this position involve the design and preparation of flat projection maps that appear on signs to direct visitors around parks, principally as pedestrians. In addition to a strong cartographic record, a person qualified for this position must gain an understanding of the NPS Cartographic Standards and how to select the appropriate type of map for a particular application.

Cartographic knowledge must include a thorough understanding of the principals of cartography, including map compilation, design, and production. The duties will require use of graphic software for final design and layout (primarily Adobe Illustrator, Adobe Photoshop and Adobe InDesign) as used to create finished files that will be converted to sign panel artwork. The duties also include researching and assembling the resource materials needed to create such maps and a well-developed sense of quality of mapped data as related to needs of visitor signs containing the maps.

20. **ILLUSTRATOR**

The duties of this position involve the creation of artwork to accompany and reinforce narrative messages that appear on UniGuide Visitor Information System to convey information about park activities and facilities, resource protection, safety, regulations, and interpretation.

A person qualified for this position must have an ability to render the simple "pen- and ink" style drawings depicted in the UniGuide Sign Standards. This requires artistic ability, and the ability to draw freehand using common art media including drawing pens or scratchboard. The person must gain an understanding of the artistic style and purpose of the drawings depicted in the UniGuide Sign Standards.

21. **PRODUCTION ARTIST I**

The duties of this position involve the creation of production ready files. This position requires at minimum a degree in graphic arts, or at least 8 years experience in this position, and five years experience in using in the primary software programs recent versions of: Adobe InDesign, Adobe Illustrator, and Photoshop. A production artist must have a solid proficiency in typography and understanding of copy-fitting and visual organization of type within a grid structure. This person must be knowledgeable of UniGuide formats and grid systems and have the ability to build panels from client sketches, and “flight check” client submissions for standards, accuracy and visual appropriateness. The production artist must have a working knowledge of the differences in color output and resolution between software programs, file formats and requirements of each respective graphic production process used in the UniGuide Sign Standards.

22. **PRODUCTION ARTIST II**

The duties of this position involve the creation of production ready files. This position requires at minimum a degree in graphic arts, or at least five years experience in this position, and three years experience in using in the primary software programs recent versions of: Adobe InDesign, Adobe Illustrator, and Photoshop. A Production Artist II must have a solid proficiency in typography and understanding of copy-fitting and visual organization of type within a grid structure. This person must be knowledgeable of UniGuide formats and grid systems and have the ability to build panels from client sketches, and “flight check” client submissions for standards, accuracy and visual appropriateness. The production artist must have a working knowledge of the differences in color output and resolution between software programs, file formats and requirements of each respective graphic production process used in the UniGuide Sign Standards.

23. **PRODUCTION ARTIST III**

The duties of this position involve the creation of production ready files. This position requires at minimum one year training in graphic arts, or at least three years experience in this position, and one year experience in using in the primary software programs recent versions of: Adobe InDesign, Adobe Illustrator, and Photoshop. A Production Artist III be able to produce files under the direction of a designer or production supervisor, and have a working knowledge of typography, copy-fitting, and visual organization of type within a grid structure. This person must be knowledgeable of UniGuide formats and grid systems have the ability to build panels from client sketches, and “flight check” client submissions for standards, accuracy and visual appropriateness.

24. **STRUCTURAL ENGINEER I**

The duties of this position requires that the person be a Licensed Professional engineer (PE) and have a B.S. in Civil or Structural Engineering, or in a closely allied discipline of Engineering, and a minimum of 15 years experience as a practicing Structural Engineer.

Primary responsibilities of this person will include: Establish the criteria for live and dead loads to which the signs and sign supporting structures shall be designed. Set forth the design criteria for the materials of construction and for the subgrade requirements of footings and the like. Provide design input for sign supporting structures to accommodate unique field conditions. Review proffered alternatives for materials and various design details as submitted by the Contractor; accept, reject or modify said alternatives and provide final approvals as appropriate. Incorporate revisions and additions into UniGuide Sign Standards as required.

25. **STRUCTURAL ENGINEER II**

The duties of this position requires that the person be a Licensed Professional engineer (PE) and have a B.S. in Civil or Structural Engineering, or in a closely allied discipline of Engineering, and a minimum of 10 years experience as a practicing Structural Engineer.

Primary responsibilities of this person will include: Establish the criteria for live and dead loads to which the signs and sign supporting structures shall be designed. Set forth the design criteria for the materials of construction and for the subgrade requirements of footings and the like. Provide design input for sign supporting structures to accommodate unique field conditions. Review proffered alternatives for materials and various design details as submitted by the Contractor; accept, reject or modify said alternatives and provide final approvals as appropriate. Incorporate revisions and additions into UniGuide Sign Standards as required.

26. **TRAFFIC ENGINEER I**

The duties of this position require that this person be a Licensed Professional Engineer and have a B.S. in civil engineering and an M.S. in traffic engineering, and a minimum of 10 years experience as a practicing Traffic Engineer. The Traffic Engineer I will have a specialty in human factors and traffic standards research, and public transportation policy development.

The responsibilities of this person will include: Develop approaches for unique applications in unusual circumstances. Research on system design using approaches appropriate to FHWA approval. Work with FHWA Office of Transportation Operations, and the Office of Federal Lands Roads to gain approval of standards. Provide training programs for NPS personnel in traffic planning, including capacity analysis, use of traffic control devices, such as: pavement markings, delineation devices, special applications based on the unique features of a national park, and signing for work zone safety. Assist in design development of communications programs for alternative and shuttle bus transportation programs;

27. **TRAFFIC ENGINEER II**

The duties of this position require that this person be a Licensed Professional Engineer and have a B.S. in civil engineering and an M.S. in traffic engineering, and a minimum of 10 years experience as a practicing Traffic Engineer. The Traffic Engineer II will have a specialty in management and implementation of traffic standards.

Primary responsibilities of this person will include the following capabilities: Evaluate the quality of the traffic flow and determine system deficiencies and bottlenecks. Determine capacities and levels of service. Seek innovative approaches to control traffic flow and parking to minimize congestion and pedestrian-vehicular conflicts. Recommend changes in guide signing using a systematic approach. Review existing traffic control devices against national standards and NPS standards and determine deficiencies and areas needing correction or upgrade. Perform traffic engineering studies involving stop and yield control, multiway stop signs, traffic signals, speed limits, parking restrictions, capacity and safety, and pedestrian flow and guidance. Apply traffic engineering principles. Provide training programs for NPS personnel in traffic planning, including capacity analysis, use of traffic control devices, such as: pavement markings, delineation devices, special applications based on the unique features of a national park, and signing for work zone safety.

28. **HUMAN FACTORS SCIENTIST**

The duties of this position require that a Human Factors Scientist have a MA, MS, or Ph.D. from an accredited university and have at least 10 years of practical experience in applied human factors research design and statistical analysis. They will be experienced in conducting research using various levels of simulation, focus group evaluation, field experimentation, and eye tracking, among other methods, to evaluate and improve the effectiveness of designs and systems developed by the design teams.

The duties of this position involve a general understanding of the interaction between humans and other system elements. The human factors scientist will apply theory, principles, data, and other methods to design concepts, in order to optimize the experience of national park visitors and overall national park system performance. The scientists will have training and experience that enables them to methodically evaluate the effectiveness of the interface between the park environment and the visitor. Trained in scientific techniques, experimental design, and statistical analysis, the human factors scientist will have an advanced degree in Experimental Psychology, Human Factors Psychology, or Industrial Engineering.

Knowledge of anatomy and physiology and the study of sensation and perception coupled with an understanding of human cognition, and the ability to scientifically evaluate these concepts, will enable these scientists to identify the most effective designs for use in the National Park system.

29. **PRESERVATION ARCHITECT II**

The duties of this position require that they be a Registered Architect and hold a degree in architecture from an accredited university, and have practical experience and knowledge of historic preservation principles, including the Department of Interior Secretary's Standards for Historic Preservation. Positions require that the preservation architect have the following minimum professional experience in years: Preservation Architect II will have a minimum of eight years professional experience in this discipline.

A person qualified for this position must have a complete understanding of principles of architectural design and construction, including related technologies, materials, and procedures, especially as they apply to historic structures, historic national park environments, and other historic settings. They must have the ability to ascertain the historic values and character-defining elements of historic environments and to recommend signage and environmental communications actions that respond to these environments, while providing appropriate support to the visiting public and responding to the UniGuide Sign Standards. The duties of this position include assisting in needs assessment, planning, design, detailing, and placement of appropriate signage and environmental communications for parks and related historic buildings and settings.

30. **PRESERVATION PLANNER**

The duties of this position require that they have, at minimum, a BS from an accredited college or university, have a minimum of five years of practical experience with planning and/or design of historic environments, and are knowledgeable about historic preservation principles, including the Department of the Interior, Secretary's Standards for Historic Preservation.

A person qualified for this position must have an understanding of planning principles for historic buildings and larger environments, including the ability to undertake research into their historic and significance, as well as to analyze, assess, and recommend project actions to preserve, protect, and enhance such environments. They must have the ability to undertake such activities related to park structures, larger environments, and other historic settings In order to determine and recommend appropriate actions that can enhance such environments while supporting visitor requirements.

31. **INSTALLATION COORDINATOR I**

The duties of this position require experience in coordinating installation schedules with production and customer needs. They must be well organized and familiar with the installation methods and procedures of all types of signage. The position requires a minimum of 10 years experience coordinating and supervising installation programs.

Their duties will entail reviewing the specific jobsite information to assure the proper installation methods, hardware, etc are specified for the particular site and that the installation personnel are properly prepare to install the signage as specified. This includes an understanding of all site preservation and protection of sensitive environments per UniGuide standards. They will be responsible for coordinating shipping and installation as required.

The Installation Coordinator I will also provide training programs to parks and installation workshops, and instruct local contractors on the proper methods to assemble and install UniGuide System signs, and custom signage for non-standard sites.

32. **INSTALLATION COORDINATOR II**

The duties of this position require experience in coordinating installation schedules with production and customer needs. They must be well organized and familiar with the installation methods and procedures of all types of signage. The Installation Coordinator II position requires a minimum of five years experience coordinating and supervising installation programs.

Their duties will entail reviewing the specific jobsite information to assure the proper installation methods, hardware, etc are specified for the particular site and that the installation personnel are properly prepared to install the signage as specified. This includes an understanding of all site preservation and protection of sensitive environments per UniGuide standards. They will be responsible for coordinating shipping and installation as required.

The Installation Coordinator II will also provide training programs to parks and installation workshops, and instruct local contractors on the proper methods to assemble and install UniGuide System signs, and custom signage for non-standard sites.

33. **INSTALLATION TECHNICIAN I**

Installation Technician I requires a minimum of five years experience as a lead person in a sign installation team. The duties of the Installation Technician I requires that this person must be experienced with the installation of all types of signs, mounting materials and methods, and in all types of conditions.

A person for this position must be able to handle any unforeseen situation which may come up in the field, be able to communicate with the customer as well as the obvious mechanical skills required for the installation of signs, including taking all appropriate controls to protect existing site or building conditions, and providing restoration work as required.

34. **INSTALLATION TECHNICIAN II**

Installation Technician II requires a minimum of three years as a helper and two years as a lead man in a sign installation team. The duties of the Installation Technician II requires that this person must be experienced with the installation of all types of signs, mounting materials and methods,, and in all types of conditions.

A person for this position must be able to handle any unforeseen situation which may come up in the field, be able to communicate with the customer as well as the obvious mechanical skills required for the installation of signs, including taking all appropriate controls to protect existing site or building conditions, and providing restoration work as required.

35. **CAD DRAFTSPERSON**

The duties of this position requires that the person be fully proficient in AutoCAD Release 16 or newer. The Cad Draftsperson in this position are required to produce the fabrication drawings required for the manufacture of signage specified in the UniGuide Standards. These drawings can include individual part drawings ultimately sent to programming (where electronic computer files used by the CNC cutting or forming equipment are made) as well as manufacturing drawings used to make complete units or sub-assemblies. These individuals carry the responsibility for both understanding the mechanical requirements of the subject as well as possessing the skills to translate design concepts to clearly understood drawing. Additionally, troubleshooting or application of value-engineering models is a responsibility.

This position also includes the ability to plot signs plans digital base drawings as provided by the park and work with the park or design team member to refine as required. Includes placement of signs based on GPS coordinates as provided. Link plan icons to sign plan database as needed. All plan drawings will be prepared to comply with NPS-10 Guide for Specifiers, including drawing numbering, and prepared for submission to Denver Service Center as required.

36. **PROJECT MANAGER**

Positions require that the Project Manager have advanced professional education and training in management principals and practices for this type or effort, and a minimum professional experience of 10 years managing design, and planning projects and coordinating design programs with manufacturing operations.

A Project Manager must have experience in solving problems at all levels of the project life cycle from initiation through close-out. Wide exposure in developing and implementing Government and industrial project management systems. Recent experience in managing projects at all levels of organization and integration of industrial and Government systems as well as between various offices of the NPS. Project Manager will coordinate preparation of project work-scope plan, budget and schedule, and manage interface between NPS UniGuide program managers and designers. Project Manager will coordinate review of plans and all related in-house work to place project into production. Project Manager will assist Customer Support, and Program Advancement operations as required.

37. **PRESERVATION PLANNER**

The duties of this position require that they have, at minimum, a BS from an accredited college or university, have a minimum of 5 years of practical experience with planning and/or design of historic environments, and are knowledgeable about historic preservation principles, including the Department of the Interior, Secretary's Standards for Historic Preservation.

A person qualified for this position must have an understanding of planning principles for historic buildings and larger environments, including the ability to undertake research into their historic and significance, as well as to analyze, assess, and recommend project actions to preserve, protect, and enhance such environments. They must have the ability to undertake such activities related to park structures, larger environments, and other historic settings In order to determine and recommend appropriate actions that can enhance such environments while supporting visitor requirements.

38. **PACKER**

The duties of this position involve the packaging and shipment of UniGuide signs and sign components. A person qualified for this position must have knowledge of a wide range of accepted packing containers, protective devices, cushioning materials, and packaging related methods and techniques.